

Name _____



Day 1

Let's Practice!

Any number times "0" is "0"!

Any number times "1" is the other number!

$$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

Watch the Signs

$$\begin{array}{r} 1 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 0 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ - 1 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 0 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 0 \\ \hline \end{array}$$

Name _____



Day **2**

“Count By” Day

“Multiples” You Know!

Count by 2's:

2, _____, _____, _____, _____, _____, _____, _____, _____, _____, 20

List the multiples of 5:

5, _____, _____, _____, _____, _____, _____, _____, _____, _____, 50

List the multiples of 10:

10, _____, _____, _____, _____, _____, _____, _____, _____, _____, 100

Let's Multiply!

$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$
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$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$
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$\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 10 \\ \hline \end{array}$
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Name _____



Day 3

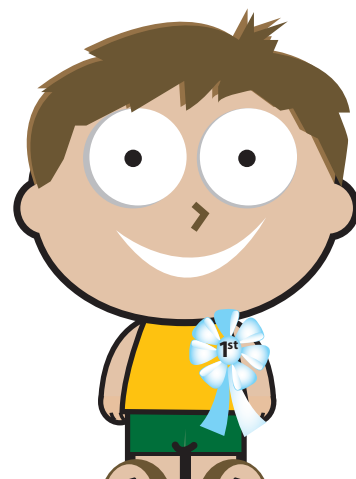
Trick of 9's

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$
$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$
$$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 0 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$
$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$



Name _____



Day 10

**SWEET
SUCCESS!
We know
them ALL!**

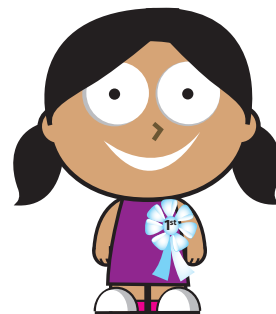
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$
$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$
$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$



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GOING BEYOND!

Select an Advanced Multiplication Project to complete independently. Be prepared to present to the class.

- A. Write and illustrate word problems using these guidelines. Each one should be on a single sheet of 8.5x11 paper.
1. One step multiplication problem.
 2. Two step problem using multiplication only.
 3. Two step problem including multiplication and addition.
 4. Two step problem including multiplication and subtraction.
 5. Two step problem including multiplication and division.
 6. Two step problem including multiplication and measurement or geometry.
- B. List five different ways / situations when you would use multiplication in real life. Illustrate.
- C. Find the surface area of a Kleenex Box. Draw and label your findings. You may Google "Surface Area."
- D. Make a Multiplication Game for the class to play.
- E. Fill in blanks. Use a calculator to check. Show work.
I am _____ years old. I am _____ months old. I am _____ days old. I am _____ hours old. I am _____ minutes old.

Name _____



Sandra Says

*Enjoy some of my favorite Multiplication Number Sense Tricks!
Teach your favorite "Math-In-Your-Head-Tricks" to your class.*

- A. Two Digits \times 101
Write digits down twice
- Ex: $35 \times 101 = \underline{3535}$
 $46 \times 101 = \underline{4646}$
 $78 \times 101 = \underline{\quad\quad}$
- B. Two Digit Squares Ending in 25.
1. Write 25.
2. Write Tens digit \times 1 larger.
(Say, "HTAM," like Shazam to remind you to work backwards, from right to left.)
Ex: Write 25 first: then Multiply tens digit \times one larger.
- Ex: $15 \times 15 = \underline{225}$
 $25 \times 25 = \underline{625}$
 $35 \times 35 = \underline{1225}$
 $45 \times 45 = \underline{\quad\quad}$
 $55 \times 55 = \underline{\quad\quad}$
 $65 \times 65 = \underline{\quad\quad}$
 $75 \times 75 = \underline{\quad\quad}$
 $85 \times 85 = \underline{\quad\quad}$
 $95 \times 95 = \underline{\quad\quad}$
- C. Two Digits \times 11
1. Write ones digit.
2. Write sum of 2 digits.
Regroup when necessary.
3. Write tens digit.
- Ex: $45 \times 11 = \underline{495}$
 $34 \times 11 = \underline{374}$
 $76 \times 11 = \underline{836}$
 $89 \times 11 = \underline{979}$
 $72 \times 11 = \underline{\quad\quad}$
 $53 \times 11 = \underline{\quad\quad}$
 $88 \times 11 = \underline{\quad\quad}$
 $97 \times 11 = \underline{\quad\quad}$
- D. Three digits \times 11.
1. Write ones digit.
2. Write sum of ones and tens digits.
3. Write sum of tens and hundreds digits.
4. Write hundreds digit.
- Ex: $452 \times 11 = \underline{4972}$
 $541 \times 11 = \underline{5951}$
 $769 \times 11 = \underline{8459}$
 $623 \times 11 = \underline{\quad\quad}$
 $752 \times 11 = \underline{\quad\quad}$
 $482 \times 11 = \underline{\quad\quad}$
- E. Two Digits \times 2 Digits
1. Write product of ones digits.
2. Multiply outside numbers.
Multiply inside numbers.
Write sum of two products.
3. Write product of tens digits.
- Ex: $13 \times 24 = \underline{312}$
 $74 \times 52 = \underline{3848}$
 $81 \times 96 = \underline{7776}$
 $41 \times 35 = \underline{\quad\quad}$
 $92 \times 36 = \underline{\quad\quad}$
 $47 \times 12 = \underline{\quad\quad}$
 $85 \times 53 = \underline{\quad\quad}$
 $62 \times 19 = \underline{\quad\quad}$

* Try holding your carry/regroup numbers on your fingers. Only write answers. No extra marks.